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**TRANSMITTAL  
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Total Number of Pages in This Submission

28

Application Number

10/612,112

Filing Date

08/02/2003

First Named Inventor

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Art Unit

2859

Examiner Name

Verbitsky, Gail Kaplan

Attorney Docket Number

**ENCLOSURES (Check all that apply)**

- |  |   |   |
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| <input type="checkbox"/> Fee Transmittal Form                                | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance communication to Technology Center (TC)        |
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| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter  |
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**In The Claims:**

This listing of claims will replace all prior versions and listings of respective claims in the application:

1. (Currently Amended) A probe of a medical instrument that is intended for insertion into a patient's body orifice, such probe has an inner surface and the outer surface which is shaped to contain at least one cavity encircled by a ridge.
2. (Currently Amended) A probe of claim 1 where said cavity is covered by outer thin skin that is permanently attached to said ~~outer surface~~ ridge.
3. (Cancelled)
4. (Currently Amended) A probe of claim 3 ~~1~~ where said which contains multiple cavities being ~~are~~ randomly distributed along said outer surface.
5. (Original) A probe of claim 1 is fabricated of material having low thermal conductivity
6. (Original) A probe of claim 1 further comprises a polymer probe cover that envelopes said outer surface.
7. (Original) A method of thermal insulation of a medical probe, comprising a step of forming indentations on the outer surface of the probe.
8. (Currently Amended) A method of thermal insulation of a medical probe of claim 7, further comprising a step of covering said indentations with a layer of thin protective material having low thermal conductivity.